

Range of Mowers

Model	Width of Cut (m)	Blades	Gearbox	Slip Clutch	Total Mass (kg)	Dimensions Length/ Width (mm)		Cutting Height Min/Max (mm)
Falcon Blowermower™								
F50/120BM	1.2	4	F50	OPT	371	1660	1410	0/100
F50/150BM	1.5	4	F50	STD	560	1950	1710	0/100
Falcon Rollermower								
F25/90R	0.9	3	F25	OPT	185	1330	1100	0/100
F25/120R	1.2	4	F25	OPT	238	1580	1380	0/100
F40/120R	1.2	4	F40	STD	345	1600	1370	0/100
F40/150R	1.5	4	F40	STD	472	1950	1730	0/100
F50/150R	1.5	4	F50	STD	493	1950	1730	0/100
F50/180R	1.8	4	F50	STD	595	2370	2060	0/100
Falcon Rotagang™								
3 GANG with frame	1.75	12	F25	Overrun Clutch	421	2560	2050	0/40
Falcon Grassmulcher™								
F25/120GM	1.2	4	F25	OPT	309	1700	1420	10/100
F50/120GM	1.2	4	F50	OPT	345	1660	1420	10/100
F50/150GM	1.5	4	F50	STD	480	1950	1710	10/100
F50/180GM	1.8	4	F50	STD	650	2370	2030	10/100

The simple advantage of mowing grass regularly is that it increases the quality of the turf. The choice of implement should be based not only on the quality of cut but also on ease of maintenance and simplicity of operation and the knowledge that the machine will serve you well for many years, since good turf management will require its regular use.

Creating a "Wembley" effect after mowing is also an advantage with regard to the aesthetics of the sports field, golf course or parks. This effect, is achieved by the rollers pushing the grass first in one direction and then in the opposite direction during cutting.

All Falcon equipment is locally manufactured in Howick and is designed to be simple, safe and serviceable offering excellent value for money. It is robust, with simplicity of design and a limited number of wearing parts, ensuring that maintenance costs are minimal. Our equipment is built to last and is capable of coping with tough South African conditions. Excellent customer service is also part of the Falcon promise and the ongoing innovation at Falcon is based on our assessment of customers' changing requirements.

Product Groups & Products

Slashers

Light Duty
Medium Duty
Heavy Duty
Extra Heavy Duty

Haymaking Equipment

Haymakers
Bale Handling Equipment
Unloaders™

Spreaders

Rotorspreaders
Limespreaders

Mowers

Blowermowers™
Grassmulchers™
Rollermowers
Rotagangs™
Finishing Mowers
Roller Side Discharge Mowers

Mulchers

Fieldmulchers™
Side Discharge Mulchers

Ground Engaging Equipment

Rotavators (and Bedformers)
Ploughs

Falcon Agricultural Equipment (Pty.)Ltd distributes the following range of imported products:

Votex Shredders
Votex Flail Mowers
Votex Reach Mowers

Batwing Slashers
Batwing Turf Mowers

Amazone Spreaders
Amazone Sprayers
Amazone Groundkeepers



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AUG '08



MOWERS

Falcon Mowers safely produce a perfect finish. There are various models for a variety of operations and a range of tractor sizes, with cutting widths ranging from 0,9 m to 1,8 m and a cutting height of 0 to 100 mm.



FALCON MOWERS



F50/150BM Blowermower™

It cuts and collects grass in one operation; the cut grass is then blown into a strong reusable bag. If preferred, the bag may be left off; the cut grass is then spread evenly from the chute.

The Falcon Blowermower™ is available with cutting widths of 1,2 m or 1,5 m. Cutting height is adjustable from 0 to 100 mm, depending on the required finish.



F40/120RM Roller mower

The roller mower is available with cutting widths of 0,9 m, 1,2 m, 1,5 m or 1,8 m. An offset hitch facility is standard on the F40 and F50 series to facilitate cutting up to the boundary fence. Cutting height is adjustable from 0 to 100 mm, depending on the required finish.



F50/150GM Grassmulcher™

Falcon Blowermower™

The unique and patented Blowermower™ is the ideal implement for ensuring top quality mowing of large lawn areas, sports, school and playing fields. It is designed to give a perfect finish safely, in public areas.

The roller mower is available with cutting widths of 0,9 m, 1,2 m, 1,5 m or 1,8 m. An offset hitch facility is standard on the F40 and F50 series to facilitate cutting up to the boundary fence. Cutting height is adjustable from 0 to 100 mm, depending on the required finish.

Falcon Roller mower

The Falcon Roller mower is a low-cost implement suited to the maintenance of all turf areas from lawns to polo fields. It is designed to safely give a neat, even cut. Dome ends are fitted to the rollers to protect the turf and so prevent skid marks.

The Grassmulcher™ is designed for one-pass maintenance of sports grounds and parks and overcomes collection problems. It is designed to safely give a perfect finish in public areas.

Falcon Grassmulcher™

The Falcon Grassmulcher™ is available with cutting widths of 1,2 m, 1,5 m or 1,8 m. It runs on full-width rollers. Cutting height is adjustable from 10 to 100 mm, depending on the required finish.

The Falcon Blowermower™, roller mower and Grassmulcher™ all run on full-width rollers with domed end caps so that the rotary cutter achieves a "Wembley finish", without any damage to the turf. The Rotagang™ is lightweight but strongly constructed, with independently moving rotors which run on skids, providing a superior cut.

Falcon Rotagang™

This rotary cutter is used for cutting or trimming fairways, sports fields, parks and housing estates as it can safely achieve a close cut without scalping.



Rotagang™



Rotagang™ Lifted

Each rotor is mounted independently of the others so that each unit can travel on its own plane. This is to achieve an even cut where undulations would restrict the cutting efficiency of other machines due to scalping. The machine runs on strategically placed skids to ensure a close cut at all times.

The Falcon Rotagang™ has a cutting width of 1,75 m. Cutting height is adjustable from 0 to 40 mm, depending on the required finish.

A lifting frame is supplied as standard equipment, for transport by tractor over rough or tarred roads. Very little maintenance is required, due to the design and simplicity of the machine.

FALCON CONSTRUCTION

Falcon mowers are manufactured from top quality steel plate suitably reinforced with angle and flat iron, which is stitch welded to reduce distortions and stress fractures.

The side panels can be raised or lowered to adjust the cutting height according to the finish required. They are secured by bolts, the heads of which are countersunk into hexagonal recesses so that height adjustments require the use of only one spanner.

The topmast, which connects to the tractor three-point linkage, is mounted on bushes bolted onto the implement and connected to the rear of the implement with high-tension chains. This flexible linkage allows the rotary cutter to follow the ground contours. On machines of 1,5 m and wider the lower linkage points are of the clevis type, with loose pins,

Other than the Blowermower™, which is completely enclosed, these machines have rollers and flaps on both front and back to provide protection from flying stones and debris.

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Metal Treatment and Painting

All Falcon parts are subjected to a five-tank acid bath cleaning and phosphate treatment process. The primer paint coat is then applied by complete immersion in a paint tank, which allows the paint to reach all closed sections, recesses and behind all gussets. All open seams are then sealed with a special sealant to protect the equipment from moisture, before the final enamel colour coat is applied. These processes prevent corrosion and ensure a long machine life. All fasteners, chains, shackles and pins are electroplated to guard against corrosion.



5 Stage Cleaning Process



Cutting Assembly (Blowermower™)



Cutting Assembly (Rotagang™)



Cutting Assembly (Grassmulcher™)

The Falcon Cutting Assembly

Falcon Blowermowers™ and roller mowers are fitted with round, low-impact blade discs with special blade bolts, which allow the blades to swing 360 degrees when obstructions are encountered. A triangular disc with three clevis mounted blades is fitted to the 0,9 m model.

Falcon Grassmulchers™ are fitted with round, low-impact blade discs with four clevis mounted blades. The blades swing on special blade bolts and bushes. This system ensures that the blades remain perfectly horizontal at all times, avoiding scalping if the speed of the cutting disc is too slow.

The Falcon Rotagang™ is fitted with three low-impact blade discs, each with four special blades.

Drive Shafts

All machines are supplied with appropriate, fully guarded PTO shafts. Torque-limiting slip clutches are supplied where specified. Optional over-run clutches can be supplied if required.

Falcon Gearbox

One of the secrets of the success of the Falcon rotary cutters is that the F50 and F80 series are fitted with locally manufactured Falcon heavy-duty gearboxes. These gearboxes, entirely constructed by Falcon, have proved to have a long, trouble-free life in any

operation as they are specifically designed to both withstand the extraordinary working conditions encountered in Africa and also to absorb the higher power being produced by the new-generation tractors coming into the market. All the parts made by Falcon are guaranteed for two years against faulty manufacture and because they are locally manufactured these parts are also easily and quickly available.